

**What is claimed is :**

1. A coupled circulation tube for ball screw unit being formed of two symmetrically coupled first and second half arcuate integral elbow tubes formed on the planar surface at one side of the ball screw bearing each circulation tube being jointed to two circulation holes; and

each of said two symmetrical half tubes being provided a plurality of recessed grooves and flanges interposelly arrayed one after another along the longitudinal tube wall to couple the two half tubes together into a resultant U shaped arcuate elbow tube for ball circulation such that it is firmly constructed with desired toughness and free form deformation .

2. The coupled circulation tube of claim 1, wherein said coupled circulation tube is formed of a metallic material.

3. The coupled circulation tube of claim 2, wherein said coupled circulation tube is formed of a rigid metallic material.

4. The coupled circulation tube of claim 1, wherein said two half tubes are coupled with each other by a plurality of recessed grooves and flanges.

5. The coupled circulation tube of claim 4, wherein said arrayed recessed grooves and flanges are formed into a tail-like configuration.